Work Order ID 105423

105423

Thursday, August 01, 2013 1:23:38 PM

Item ID: D3297-1-0121 **Accept** *N900040100* **Setup Start** *NS1*

Revision ID: **Stop** *NS2*

Item Name: HOSE ASSY

Start Date: 8/1/2013 **Start Qty:** 2.00 *2* **Cust Item ID:**

Required Date: 8/9/2013 **Req'd Qty:** 2.00 *2* **Customer:**

Reference:

Approvals: **Process Plan:** CL **Date:** 13/08/01 **Tooling:** _____ **Date:** _____ **Run Start** *NR1*

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	**Revision Nbr**								
D3297	Rev D								
100		0.00							
100	PURCHASING								
Purchasing	**Memo**	0.00							
Purchasing	Create D2729-1 label and include with W/O Issue P/O: 20783 Hose Assembly as per Dwg D3297 Possible Supplier: API Material release note is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	**Memo**	0.00							
Packaging	Ensure Material Release Note is attached								

CL 13/08/01 (2)

(2)

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

- Rework ☐
- Scrap ☐
- Use-as-is ☐
- Work Order Update ☐

AGAINST DEPARTMENT/PROCESS

- Skid-tube ☐
- Machining ☐
- Thermoforming ☐
- Large Fab ☐
- Crosstube ☐
- Small Fab ☐
- Finishing ☐
- Composite ☐
- Water Jet ☐
- Prod. Eng. Coor. ☐
- Rec/Store/Packaging ☐
- Supplier ☐
- Engineering ☐
- Quality ☐
- Other ☐

Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	☐									
Equip/Tooling	☐									
Operator	☐									
Material	☐									
Setup	☐									
Other	☐									
Process	☐									
Supplier	☐									
Training	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

- ☐ Bending
- ☐ Centre Not Concentric to O/S
- ☐ Cracks
- ☐ Crushed/Crimped
- ☐ Cuffs
- ☐ Heat Treat
- ☐ Inspection Strip in Tube
- ☐ Ripples in Bend
- ☐ Torque Waves in Extrusion
- ☐ Turning Sequence
- ☐ Wave/Twist in Tube

General

- ☐ Bend
- ☐ BOM/Route
- ☐ Broken/Damaged
- ☐ Burrs
- ☐ Contamination
- ☐ Countersink
- ☐ Cut Too Short
- ☐ Drill Holes
- ☐ Drawing
- ☐ Finish
- ☐ Folio
- ☐ Grain
- ☐ Hardware
- ☐ Inspection Incomplete
- ☐ Instructions Incomplete/Unclear
- ☐ Maintenance
- ☐ Mislabeled
- ☐ Misread
- ☐ Offset
- ☐ Out of Calibration
- ☐ Out of Sequence
- ☐ Outside Dimensions
- ☐ Ovalized
- ☐ Over/Under tolerance
- ☐ Part Incorrect
- ☐ Part Lost/Missing
- ☐ Part Moved
- ☐ Positioned Wrong
- ☐ Power Loss/Surge
- ☐ Pressure/Forced
- ☐ Temperature/Cure
- ☐ Weld
- ☐ Wrong Stock Pulled
- ☐ Other _____

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Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run Start** *NR1*

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00 DAS 16 9-89	B1a8b09			(2)			
120 QC Quality Control	Memo	0.00							
130		0.00							
130 Small Fab Small Fab	Small Fab Memo Install D2729-1 as per Dwg D3297 using D2182-045 Heat Shrink Batch: 26009	0.00				2	0		FF 13-08-13
140	QC5- Inspect part completeness to step on W/O	0.00				2			
140 QC Quality Control	Memo	0.00 27 13.8.13							

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

- Rework ☐
- Scrap ☐
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- Work Order Update ☐

AGAINST DEPARTMENT/PROCESS

- Skid-tube ☐
- Machining ☐
- Thermoforming ☐
- Large Fab ☐
- Crosstube ☐
- Small Fab ☐
- Finishing ☐
- Composite ☐
- Water Jet ☐
- Prod. Eng. Coor. ☐
- Rec/Store/Packaging ☐
- Supplier ☐
- Engineering ☐
- Quality ☐
- Other ☐

Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	☐									
Equip/Tooling	☐									
Operator	☐									
Material	☐									
Setup	☐									
Other	☐									
Process	☐									
Supplier	☐									
Training	☐									
Unapproved	☐									

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- ☐ Instructions Incomplete/Unclear
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Reference:

Run Start *NR1*

Stop *NR2*

Approvals: **Process Plan:** ____ **Date:** ____ **Tooling:** ____ **Date:** ____

QC: ____ **Date:** ____ **SPC (Y/N):** ____ **Date:** ____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: ST192	0.00							
150						2X		MD 13-08-13	
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
160						MCJ 13-08-13			
QC	Memo	0.00							
Quality Control						MCJ 13-08-14			

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

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- Finishing ☐
- Composite ☐
- Water Jet ☐
- Prod. Eng. Coor. ☐
- Rec/Store/Packaging ☐
- Supplier ☐
- Engineering ☐
- Quality ☐
- Other ☐

Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	☐									
Equip/Tooling	☐									
Operator	☐									
Material	☐									
Setup	☐									
Other	☐									
Process	☐									
Supplier	☐									
Training	☐									
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- ☐ Weld
- ☐ Wrong Stock Pulled
- ☐ Other _____

Picklist Print

Thursday, August 01, 2013 1:23:37 PM

Work Order ID: 105423

Parent Item: D3297-1-0121

Parent Item Name: HOSE ASSY

Start Date: 8/1/2013 **Required Date:** 8/9/2013

Start Qty: 2.00 **Required Qty:** 2.00

Comments: IPP: A04.11.25New issueKJ/RF

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156001-6D0121 HOSE ASS'Y		Purchased	No			110	Each	0.0000	1	2	105423		
D2182-045 Heat Shrink 4.5" Long		Manufactured	No	26009		130	Each	0.0000	1	2/2		FF 13-08-13	
D2729-1 PART ID LABEL (RE-ISSUE)		Manufactured	No			130	Each	0.0000	0	0			

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

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- Composite ☐
- Water Jet ☐
- Prod. Eng. Coor. ☐
- Rec/Store/Packaging ☐
- Supplier ☐
- Engineering ☐
- Quality ☐
- Other ☐
- ☐

Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	☐									
Equip/Tooling	☐									
Operator	☐									
Material	☐									
Setup	☐									
Other	☐									
Process	☐									
Supplier	☐									
Training	☐									
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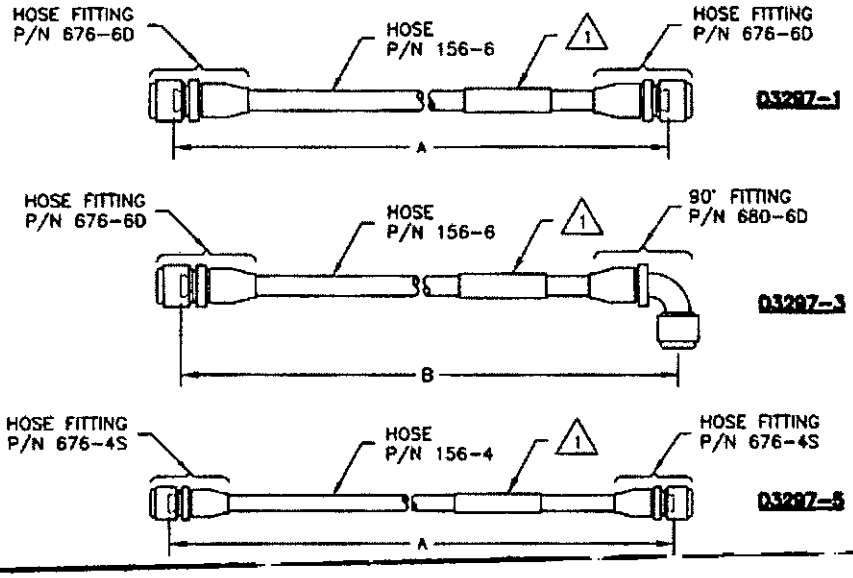
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- ☐ Other _____

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3297	REV. D SHEET 1 OF 1
DATE 05.01.21		TITLE HOSE ASSEMBLIES	SCALE NTS

A	04.07.06	NEW ISSUE
B	04.11.01	STRATOFLEX P/N WAS AEROQUIP P/N
C	04.11.18	T50 CORRECTED TO TSO
D	05.01.21	CORRECT STRATOFLEX P/N

RELEASED
05.01.21



c4 13/08/01
40/01/05423

HOSE SPECIFICATION				
DART P/N	STRATOFLEX P/N	VENDOR	A	B
D3297-1-0098	156001-6D0098	API	9.75	
D3297-1-0130	156001-6D0130	API	13.00	
D3297-1-0121	156001-6D0121	API	12.13	
D3297-3-0085	156005-6D0085	API		8.50
D3297-3-0210	156005-6D0210	API		21.00
D3297-3-0350	156005-6D0350	API		35.00
D3297-5-0410	156001-4S0410	API	41.00	

D3297-1-XXXX HOSE ASSEMBLY
D3297-3-XXXX HOSE ASSEMBLY
D3297-5-XXXX HOSE ASSEMBLY
} WHERE XXXX REPRESENTS HOSE LENGTH IN TENTHS OF INCH

EG: 12.125" LONG: D3297-1-0121
41.00" LONG: D3297-5-0410
8.50" LONG: D3297-3-0085

NOTES:
1) IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
3) ALL DIMENSIONS ARE IN INCHES
4) HOSE ASSEMBLIES TO MEET THE REQUIREMENTS OF TSO-C53a TYPE "A"

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO20783

Purchase Order Date 8/1/2013
PO Print Date 8/6/2013

Order From : VC-AER002
AEROSPACE PRODUCTS INTERNATIONAL
P.O. BOX 223, STATION M
CALGARY, AB T2P 2H6
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED $

Contact Name
Vendor Phone 800 214 7404

Ship To Contact
Ship To Phone
Ship Via: FedEx Pl collect
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Line Nbr	Reference / Vendor Part Number / Line Comments / Delivery Comments	Description/ Mfg ID	Req Date/ Taxable / Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	156001-6D0096	HOSE ASS'Y	8/9/2013 Yes 8/9/2013		2.00 Each	$70.87	$141.74
	AS PER DWG D3297 REV.D B105424						
						Line Total:	**$141.74**
2	156001-6D0121	HOSE ASS'Y	8/9/2013 Yes 8/9/2013		2.00 Each	$74.57	$149.14
	AS PER DWG D3297 REV.D B105423						
						Line Total:	**$149.14**
3	156005-6D0350	HOSE ASS'Y	8/9/2013 Yes 8/9/2013		6.00 Each	$155.60	$933.60
	AS PER DWG D3297 REV.D B105293						

Note:

API
2461 46th Ave.
LACHINE QC H8T 3C9
CANADA

08/07/2013,13:57:03

Pack List

Shipping Address
DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY ON K6A 1K7
CANADA

Forwarding Agent's Address

Shipping Instructions
Detailed Shipping Instructions at the end of the document

Packing Instructions
Detailed Packing Instructions at the end of the document

Information	
Document Number	81100253
Document Date	08/07/2013
Purchase Order No.	PO20783
Purchase Order Date	~~08/01/2013~~
Sales Order Number	985040
Sales Order Date	08/01/2013
Customer Number	6100481
Shipping Conditions	Standard OtherGround
Incoterms	
Cust Ship Acct	
Delivery Date	08/07/2013
Bill of Lading	
Total Volume	0.010 IN3
Carrier	FedEx

Item	Material	Material Description	Quantity	Weight	Batch Num
10	156001-6D-0096	156-6 HOSE ASSEMBLY			
	Batches				
	0003600856 (PO:4500197756)		2 EA	0 LB	
20	156001-6D-0121	156-6 HOSE ASSEMBLY			
	Batches				
	0003600857 (PO:4500197756)		2 EA	0 LB	
30	156005-6D-0350	156-6 HOSE ASSEMBLY			
	Batches				
	0003600858 (PO:4500197756)		6 EA	0 LB	

Shipping and Packing Instructions
FEDEX P1

CERTIFICATE OF CONFORMANCE

I hereby certify that th eaircraft parts described hereon were acquired from a source of supply that is consistent with the conditions under which Transport Canada distributor approval number 77-98 has been granted.

Authorized Signature RW

AO # 77-98
API # 11

CERTIFICATE OF CONFORMANCE

We hereby certify that all of the above parts, including all materials, have been manufactured, tested, inspected and packed in conformance with all of the requirements of your order and the applicable government specifications & standards. Records of tests, inspection and certification indicating the above conformance are on file at Aerospace Productions International and are available for your examination.

It is further certified that any hose assemblies marked with a TSO, parts and/or materials reflected therein were produced under Federal Aviation Administration approved manufacturing quality control systems/methods as set forth in the FAA issued technical standard order authorized (TSOA) issued to Stratoflex and (b) such parts and/or materials are new and are in condition for safe operation.

If applicable, satisfactory compliance with the conditions are test required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

Per API _____